

To: Nancy L Paddock[nancy.paddock@veoliaes.com]
Cc: Dennis J Warchol[dennis.warchol@veoliaes.com]
From: Ogulei, David
Sent: Mon 12/9/2013 6:23:10 PM
Subject: RE: PTE and Actual Emissions
Addendum to Veolia Renewal Application Appendix A (Forms).pdf
Emissions Calcs from Application.xlsx

Nancy,

I was able to re-enact the 29.4 tpy value from the totals provided in the August addendum to the application (see attached). However, as you can see from the attached spreadsheet (see tab labeled "PTE_Aug Addendum"), the total HAPs value (29.4 tpy) is not equal to the sum of the individual HAPs as reported in the application (20.9 tpy). I'm not sure if there's an error in my calculations or yours. Could you verify this? I have yellow-highlighted the values that are different.

Thanks,

David

From: Nancy L Paddock [mailto:nancy.paddock@veoliaes.com]
Sent: Monday, December 09, 2013 9:19 AM
To: Ogulei, David
Cc: Dennis J Warchol
Subject: RE: PTE and Actual Emissions

Thank you, David. I will take care of updating the table you sent ASAP. The revised PTE table is attached to this message; the HAP PTE has been updated to reflect a total of 29.44 TPY. The HAP PTE value in the August addendum was inaccurate due to a simple tabulation error. Is this a sufficient explanation for the change?

Thank you.

Nancy Paddock

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From: Ogulei, David [Ogulei.David@epa.gov]
Sent: Monday, December 09, 2013 9:01 AM
To: Nancy L Paddock
Cc: Dennis J Warchol
Subject: PTE and Actual Emissions

Hi Nancy,

Below is the table we discussed today. As we discussed, could you provide me with the data that's missing from this table? You may replace the table you currently have on page 18 of the addendum with this table. Also, please update the total HAPs value as we discussed, and include an explanation for the update. Thanks!

Pollutant	Potential to Emit (PTE)	2012 Actual Emissions	2011 Actual Emissions	2010 Actual Emissions	2009 Actual Emissions	2008 Actual Emissions
PM	13.93		1.12	1.1	1.07	1.04
PM ₁₀	12.55					
PM _{2.5}						
SO ₂	66.19		0.49	0.49	0.52	0.496
NOx	74.11		58.16	57.1	55.23	54.76
VOM	15.63		1.51	1.62	1.74	1.7
CO	30.85		1.21	1.41	1.67	1.95

Lead	0.0968				
Total HAPs	21.41				
Antimony (Sb)					
Arsenic (As)	< 0.10				
Benzene	< 0.40				
Beryllium (Be)	< 0.05				
Cadmium (Cd)					
Chromium (Cr)					
Dioxins/Furans					
Hydrogen Chloride (HCl)		1.89	2.03	2.09	3.56
Lead					
Mercury (Hg)	0.055				
Nickel (Ni)					
Selenium (Se)					
Organic HAPs					

David Ogulei

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